



CERTIFICATE OF ANALYSIS

Client: Mike Lavallee
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Work Order Number: 317144
PO #: 706LW1736503
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045748
Sampled By: Mike Lavallee

Date Order Received: 9/25/2017
Arrival Temperature: 12 °C

Analysis Started: 10/1/2017
Analysis Completed: 10/3/2017

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
302-B/F-001 (S)	916985	Treated Water	Plumbing		9/23/2017	11:00 AM
302-B/F-001 (F)	916986	Treated Water	Plumbing		9/23/2017	11:35 AM
302-T-001 (S)	916987	Treated Water	Plumbing		9/23/2017	11:05 AM
302-T-001 (F)	916988	Treated Water	Plumbing		9/23/2017	11:40 AM
302-T-002 (S)	916989	Treated Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	9/23/2017	11:06 AM
302-T-002 (F)	916990	Treated Water	Plumbing		9/23/2017	11:41 AM
302-T-003 (S)	916991	Treated Water	Plumbing		9/23/2017	11:07 AM
302-T-003 (F)	916992	Treated Water	Plumbing		9/23/2017	11:42 AM
302-T-004 (S)	916993	Treated Water	Plumbing	SAMPLE CONTAINED RESULT EXCEEDENCES.	9/23/2017	11:08 AM
302-T-004 (F)	916994	Treated Water	Plumbing		9/23/2017	11:43 AM
302-T-006 (S)	917000	Treated Water	Plumbing		9/23/2017	11:15 AM
302-T-006 (F)	917001	Treated Water	Plumbing		9/23/2017	11:50 AM
302-T-007 (S)	917002	Treated Water	Plumbing		9/23/2017	11:16 AM
302-T-007 (F)	917003	Treated Water	Plumbing		9/23/2017	11:51 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):



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Method	Lab	Description	Reference
ICPMS Reg. Water (R13.1)	Garson	Determination of Metals in Water by ICP/MS	Based on SW846-6020A

REPORT COMMENTS

Lead exceedance reported for samples 916989 and 916993. 10/03/17 JC
STANDING: in excess of 6hrs
SAMPLE TAKEN FROM: HALL BY 117, ROOM 203, SERVERY

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	302 - B/F - 001 (S)		302 - B/F - 001 (F)		302 - T - 001 (S)		302 - T - 001 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	916985		916986		916987		916988			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	ug/L	10
Lead	<0.1	0.1	<0.1	0.1	6.42	0.1	3.57	0.1		
Sample Description	302 - T - 002 (S)		302 - T - 002 (F)		302 - T - 003 (S)		302 - T - 003 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	916989		916990		916991		916992			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	ug/L	10
Lead	47	0.1	1.7	0.1	4.14	0.1	1.37	0.1		
Sample Description	302 - T - 004 (S)		302 - T - 004 (F)		302 - T - 006 (S)		302 - T - 006 (F)		Units	Criteria: O.Reg. 243/07
Lab ID	916993		916994		917000		917001			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	ug/L	10
Lead	22.1	0.1	2.59	0.1	4.78	0.1	1.52	0.1		
Sample Description	302 - T - 007 (S)		302 - T - 007 (F)		Units	Criteria: O.Reg. 243/07				
Lab ID	917002		917003							
Metals	Result	MDL	Result	MDL	ug/L	10				
Lead	6.34	0.1	1.94	0.1						



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LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

Quality Control: All associated Quality Control data is available on request.

LCL: Lower Control Limit.

UCL: Upper Control Limit.

QAQCID: This is a unique reference to the quality control data set used to generate the reported value. Contact our lab for this information, as it is traceable through our LIMS.



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QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS.
QAQC details include only values where sufficient sample data allowed measurement.

Metals							
%RPD							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	0	0.6	20	20171001.R13-6o3	
Lead	N/A	%	0	0.6	20	20171002.R13-5o1	
Method Blank							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20171001.R13-6o3	
Lead	1	ug/L	0	<1	1	20171002.R13-5o1	
Lead	1	ug/L	0	<1	1	20171002.R13-5o2	
Positive Control							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	101	120	20171001.R13-6o3	
Lead	N/A	%	80	92	120	20171002.R13-5o2	
Lead	N/A	%	80	93.3	120	20171002.R13-5o1	
Reference Sample							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	99	120	20171002.R13-5o1	
Lead	N/A	% Rec	80	99	120	20171002.R13-5o2	
Lead	N/A	% Rec	80	99.6	120	20171001.R13-6o3	
Sample Spike							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	87.1	130	20171001.R13-6o3	
Lead	N/A	% Rec	70	93.9	130	20171002.R13-5o2	
Lead	N/A	% Rec	70	96.6	130	20171002.R13-5o1	



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THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
302 - B/F - 001 (F)	916986	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52H
302 - B/F - 001 (S)	916985	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52H
302 - T - 001 (F)	916988	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52I
302 - T - 001 (S)	916987	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52H
302 - T - 002 (F)	916990	ICPMS Reg. Water (R13.1)	20171002.R13-5o2	20171002.A52I
302 - T - 002 (S)	916989	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52H
302 - T - 003 (F)	916992	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52H
302 - T - 003 (S)	916991	ICPMS Reg. Water (R13.1)	20171002.R13-5o2	20171002.A52I
302 - T - 004 (F)	916994	ICPMS Reg. Water (R13.1)	20171002.R13-5o1	20171002.A52H
302 - T - 004 (S)	916993	ICPMS Reg. Water (R13.1)	20171002.R13-5o2	20171002.A52I
302 - T - 006 (F)	917001	ICPMS Reg. Water (R13.1)	20171001.R13-6o3	20171001.A52C
302 - T - 006 (S)	917000	ICPMS Reg. Water (R13.1)	20171001.R13-6o3	20171001.A52C
302 - T - 007 (F)	917003	ICPMS Reg. Water (R13.1)	20171001.R13-6o3	20171001.A52C
302 - T - 007 (S)	917002	ICPMS Reg. Water (R13.1)	20171001.R13-6o3	20171001.A52C